

Claims

1. 2α -methyl- 2β -[(1,2,3-triazol-1-yl)methyl]penam- 3α -carboxylic acid benzhydryl ester-acetone crystals.

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2. Crystals according to Claim 1 that have a peak at an interplanar spacing of 11.24 to 12.44 Å in the X-ray powder diffraction pattern obtained by copper radiation of $\lambda=1.5418$ Å through a monochromator.

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3. A process for producing 2α -methyl- 2β -[(1,2,3-triazol-1-yl)methyl]penam- 3α -carboxylic acid benzhydryl ester-acetone crystals comprising the steps of:

(A) concentrating an organic solvent solution containing 2α -methyl- 2β -[(1,2,3-triazol-1-yl)methyl]penam- 3α -carboxylic acid benzhydryl ester;

(B) dissolving the resulting concentrate in acetone; and

(C) precipitating 2α -methyl- 2β -[(1,2,3-triazol-1-yl)methyl]penam- 3α -carboxylic acid benzhydryl ester-acetone crystals from the acetone solution thus obtained.

4. A process for producing 2α -methyl- 2β -[(1,2,3-triazol-1-yl)methyl]penam- 3α -carboxylic acid 1,1-dioxide benzhydryl ester comprising the step of reacting in an

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solvent an oxidizing agent with 2 α -methyl-2 β -[(1,2,3-triazol-1-yl)methyl]penam-3 α -carboxylic acid benzhydryl ester-acetone crystals.

5 5. A process for producing crystals of 2 α -methyl-2 β -[(1,2,3-triazol-1-yl)methyl]penam-3 α -carboxylic acid benzhydryl ester comprising the step of de-acetonizing 2 α -methyl-2 β -[(1,2,3-triazol-1-yl)methyl]penam-3 α -carboxylic acid benzhydryl ester-
10 acetone crystals.

6. A process for producing crystals of 2 α -methyl-2 β -[(1,2,3-triazol-1-yl)methyl]penam-3 α -carboxylic acid benzhydryl ester comprising the steps of:

15 (A) concentrating an organic solvent solution containing 2 α -methyl-2 β -[(1,2,3-triazol-1-yl)methyl]penam-3 α -carboxylic acid benzhydryl ester;

 (B) dissolving the resulting concentrate in acetone;

20 (C) precipitating 2 α -methyl-2 β -[(1,2,3-triazol-1-yl)methyl]penam-3 α -carboxylic acid benzhydryl ester-acetone crystals from the acetone solution thus obtained; and

 (D) de-acetonizing the 2 α -methyl-2 β -[(1,2,3-triazol-1-yl)methyl]penam-3 α -carboxylic acid benzhydryl
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ester-acetone crystals.